Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/07/2019 10:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124800	-1	1.82	124868	1.77
Blue	F	SSC	125000	124301	-1	1.48	125140	1.45
Blue	E	FITC	16694	16362	-2	2.69	356	19.73
Blue	D	PE	32792	32345	-2	1.91	706	14.12
Blue	B	PerCP-Cy5-5	44451	43915	-2	3.62	1181	19.76
Blue	A	PE-Cy7	33645	34301	1	6.04	658	39.21
Red	C	APC	47008	46572	-1	2.46	1654	11.82
Red	A	APC-Cy7	32298	31688	-2	2.50	846	11.55
Violet	B	V450	8961	8589	-5	4.25	481	12.41
Violet	A	V500	32726	32459	-1	4.05	753	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21308	3.12	603	-10	N/A	N/A	Pass
Blue	F	SSC	56441	1.08	542	-26	N/A	N/A	Pass
Blue	E	FITC	65	62.06	539	-24	0.0210	96	Pass
Blue	D	PE	148	48.91	547	-19	0.1924	331	Pass
Blue	B	PerCP-Cy5-5	217	48.03	643	-28	0.0101	34	Pass
Blue	A	PE-Cy7	122	98.22	696	-30	0.0125	16	Pass
Red	C	APC	392	24.48	584	-29	0.0274	103	Pass
Red	A	APC-Cy7	189	27.21	559	-26	0.0065	773	Pass
Violet	B	V450	75	57.33	468	-18	0.0718	2748	Pass
Violet	A	V500	113	30.18	479	-17	0.0253	414	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.92	-31.68	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	16.80	13.60 - 20.40	N/A	N/A	29.34	29.66	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9760

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments